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**INFORMATION DISCLOSURE  
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Sheet	1	of	23
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U.S. PATENT DOCUMENTS				
			Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
001	US-4975952	12-04-1990	MABEY, Peter J. et al.	
002	US-5008900	04-16-1991	CRITCHLOW, David N. et al.	
003	US-5115248	05-19-1992	ROEDERER, Antoine et al.	
004	US-5363408	11-08-1994	PAIK, Woo H. et al.	
005	US-5371761	12-06-1994	DAFFARA, Flavio et al.	
006	US-5384810	01-24-1995	AMRANY, Daniel et al.	
007	US-5455839	10-03-1995	EVUBOGLU, M. Vedat et al.	
008	US-5513379	04-30-1996	BENVENISTE, Mathilde et al.	
009	US-5539748	07-23-1996	RAITH, Alex K. et al.	
010	US-5604744	02-18-1997	ANDERSSON, H. et al.	
011	US-5726978	03-10-1998	SCHMID, Carl Magnus et al.	
012	US-5732113	03-24-1998	FRODIGH, Cari Magnus et al.	
013	US-5768276	06-16-1998	DIACHINA, John W. et al.	
014	US-5815488	09-29-1998	WILLIAMS, Thomas H. et al.	
015	US-5920571	07-06-1999	HOUCK, David J. et al.	
016	US-5926470	07-20-1999	TIEDEMANN, Jr., Edward G. et al.	
017	US-5953325	09-14-1999	WILLARS, Pier et al.	
018	US-5995992	11-30-1999	ECKARD, Clinton B. et al.	

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Sheet	2	of	23
Attorney Docket No: 060542			
<b>U.S. PATENT DOCUMENTS</b>			
Examiner Initials*	Case No.	Document Number	Publication Date
		Number-Kind Code <sup>2</sup> (Unknown)	MM-DD-YYYY
D19	US-6002942	12-14-1999	PARK, Hyun-chul et al.
D20	US-6016123	01-18-2000	BARTON, Paul et al.
D21	US-6038150	03-14-2000	YEE, Hsian-pei et al.
D22	US-6075350	06-13-2000	PENG, Fang Zheng et al.
D23	US-6076114	06-13-2000	WESLEY, Alamu A. et al.
D24	US-6108323	08-22-2000	GRAY, Steven D et al.
D25	US-6128776	10-03-2000	KANG, Sung-min et al.
D26	US-6232918	05-15-2001	WAX, Matt et al.
D27	US-6255478	07-03-2001	ALLEN, James D. et al.
D28	US-6337659	01-08-2002	KIM, Sang-Gi et al.
D29	US-6353637	03-05-2002	MANSOUR, David et al.
D30	US-6374115	04-16-2002	BARNES, Keith W. et al.
D31	US-6377539	04-23-2002	KANG, Hee-woon et al.
D32	US-6438369	08-20-2002	HUANG, Chenhong et al.
D33	US-6496790	12-17-2002	KATHAVATE, Srinivas K. et al.
D34	US-6539008	03-25-2003	AHN, Jaemin et al.
D35	US-6542485	04-01-2003	MUTABA, Syed Aon et al.
D36	US-6563806	05-13-2003	YANO, Masashi et al.
D37	US-6675012	01-06-2004	GRAY, Steven D. et al.
D38	US-6701165	03-02-2004	HO, Ming Ju et al.
D39	US-6711400	03-23-2004	AURA, Tuomas et al.

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Attorney Docket No: 060542

Approved for use through 07/31/2012 OMB 0331-0923  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE  
OMB Control Number 0331-0923PTO/SB/08-07-05  
Complete if known

Application Number	09/931469
Filing Date	8/16/2001
First Named Inventor	LAROIA, Rajiv et al.
Art Unit	2462
Examiner Name	JUNTIMA, NITTAYA

## U.S. PATENT DOCUMENTS

Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where or Relevant Passages or Relevant Figures Appear
Cite No. Code <sup>2</sup> (if known)	MM-DD-YYYY		
040	US-6744743	06-01-2004	WALTON, Jay R. et al.
041	US-6748220	06-08-2004	CHOW, Jocelyn Yuet Kiu et al.
042	US-6751456	06-15-2004	BILGIC, Izett M. et al.
043	US-6765969	07-20-2004	VOOK, Frederick W. et al.
044	US-6776165	08-17-2004	JIN, Sungho et al.
045	US-6776765	08-17-2004	SOUKUP, Thomas M. et al.
046	US-6802035	10-05-2004	CATREUX, Severine et al.
047	US-6831943	12-14-2004	DABAK, Anand G. et al.
048	US-6870808	03-22-2005	LIU, Hui et al.
049	US-6907269	06-14-2005	YAMAGUCHI, Ryo et al.
050	US-6927728	08-09-2005	VOOK, Frederick W. et al.
051	US-6934266	08-23-2005	DULIN, David R. et al.
052	US-6934340	08-23-2005	DOLLARD, Michael S. et al.
053	US-6940845	09-06-2005	BENVENISTE, Mathilde et al.
054	US-6954448	10-11-2005	FARLEY, Kevin L. et al.
055	US-6954481	10-11-2005	LAROIA, Rajiv et al.
056	US-6954622	10-11-2005	NELSON, David S. et al.
057	US-6981364	11-01-2005	LAROIA, Rajiv et al.
058	US-6970682	11-29-2005	CRILLY, Jr., William J. et al.
059	US-6985466	01-10-2006	YUN, Louis C. et al.

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AEROSOLIZED SULFUR SPHERULES

Application Number	Complete if Known GPO 2-1460
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Application Number	09/931469
Filing Date	8/16/2001
First Named Inventor	LAROIA, Rajiv et al.
Art Unit	2462
Examiner Name	SHANTIMA MURRAYA

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U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS					Pages, Lines, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Examiner Initials*	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Number-Kind Code <sup>**</sup> (if known)	Cite No. <sup>†</sup>
060	US-6993342	01-31-2006	KUCHIBHOTLA, Ravi et al.		
061	US-7002900	02-21-2006	WALTON, J. Rodney et al.		
062	US-7006529	02-28-2006	ALASTALO, Ari et al.		
063	US-7013143	03-14-2006	LOVE, Robert T. et al.		
064	US-7020110	03-28-2006	WALTON, Jay Rod et al.		
065	US-7039356	05-02-2006	NGUYEN, Hung et al.		
066	US-7039370	05-02-2006	LAROIA, Rajiv et al.		
067	US-7042857	05-09-2006	KRISHNAN, Ranganathan et al.		
068	US-7047006	05-16-2006	CLASSON, Brian K. et al.		
069	US-7054301	05-30-2006	SOUSA, Elvino S. et al.		
070	US-7079867	07-18-2006	CHUN, Byung-Jin et al.		
071	US-7099630	08-29-2006	BRUNNER, Christopher et al.		
072	US-7103384	09-05-2006	CHUN, Byung-Jin et al.		
073	US-7113808	09-26-2006	HWANG, Chan-soo et al.		
074	US-7120395	10-10-2006	TONG, Wen et al.		
075	US-7126928	10-24-2006	TIEDEMANN, J.; Edward G. et al.		
076	US-7131086	10-31-2006	YAMASAKI, Junya et al.		
077	US-7139328	11-21-2006	THOMAS, Timothy A. et al.		
078	US-7142864	11-28-2006	LAROIA, Rajiv et al.		

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U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No.	Document Number Number & kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
100	US-7289570	10-30-2007	SCHMIDL, Timothy et al.	
101	US-7289585	10-30-2007	SANDHU, Sumeet et al.	
102	US-7290195	10-30-2007	GUO, Zihua et al.	
103	US-7292863	11-06-2007	CHEH, Lan et al.	
104	US-7330701	02-12-2008	MUKKAVILLI, Krishna Kiran et al.	
105	US-7336727	02-26-2008	MUKKAVILLI, Krishna Kiran et al.	
106	US-7349371	03-25-2008	SCHIEIN, Brett et al.	
107	US-7349667	03-25-2008	MAGEE, David Patrick et al.	
108	US-7356000	04-08-2008	OPRESCU-SURCOBE, Valentin et al.	
109	US-7356005	04-08-2008	DERRYBERRY, R. Thomas et al.	
110	US-7366223	04-29-2008	CHEH, John Sze-chi et al.	
111	US-7366253	04-29-2008	KIM, Sung-jin et al.	
112	US-7372911	05-13-2008	LINDSKOG, Erik D. et al.	
113	US-7372912	05-13-2008	SEO, Dong-young et al.	
114	US-7382764	06-03-2008	UEHARA, Teruaki et al.	
115	US-7392014	06-24-2008	BAKER, Matthew P. J. et al.	
116	US-7394865	07-01-2008	BORRAN, Mohammad Jaber et al.	
117	US-7403745	07-22-2008	DOMINIQUE, Francis et al.	

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Application Number	09/931469
Filing Date	8/16/2001
First Named Inventor	LAROIA, Rajiv et al.
Art Unit	2462

Examiner Name JUNTIMA, NITTAYA

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U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number & Kind Code <sup>2</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
118	US-7406119	07-29-2008	YAMANO, Larry C. et al.	
119	US-7411898	08-12-2008	ERLICH, Yossi et al.	
120	US-7412212	08-26-2008	KIM, Jae-woo et al.	
121	US-7418246	09-09-2008	CHO, Sung-hyun et al.	
122	US-7423991	09-16-2008	VÄN BÄREN, Philip D. et al.	
123	US-7426426	09-23-2008	KIRAN, Kiran et al.	
124	US-7428426	10-14-2008	AGRAWAL, Avneesh et al.	
125	US-7437164	11-04-2008	HOTTINEN, Ari et al.	
126	US-7447270	12-23-2008	LIN, Chih-lung et al.	
127	US-7469011	01-27-2009	BEVAN, David Damian Nicholas et al.	
128	US-7483408	01-27-2009	KIM, Eung-sun et al.	
129	US-7483719	01-27-2009	VAN DER SCHAAER, Mauro et al.	
130	US-7486408	02-03-2009	DUBUC, Christian et al.	
131	US-7486735	02-03-2009	ZHANG, Hang et al.	
132	US-7492788	02-17-2009	OZLUTURK, Fatih et al.	
133	US-7499393	03-03-2009	BAUM, Kevin L. et al.	
134	US-7508842	03-24-2009	KUZMINSKY, Alexander et al.	
135	US-7512096	03-31-2009		
136	US-7548506	06-16-2009	MA, Jianglei et al.	

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U.S. PATENT DOCUMENTS				
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137	US-7551546	06-23-2009	MA, Jianglei et al.	
138	US-7558283	07-07-2009	CHOI, Seung-hoon et al.	
139	US-7573900	08-11-2009	KIM, Sung-jin et al.	
140	US-7616955	11-10-2009	KIM, Joonsuk et al.	
141	US-7627051	12-01-2009	SHEN, Jun et al.	
142	US-20010021650	09-13-2001	BILGIC, IZZET M. et al.	
143	US-20010047424	11-29-2001	ALASTALO, ARI et al.	
144	US-20010055294	12-27-2001	MOTOYOSHI, GEN et al.	
145	US-20010055297	12-27-2001	BENVENISTE, MATILDE et al.	
146	US-20020000948	01-03-2002	CHUN, BYUNG-JIN et al.	
147	US-20020039912	04-04-2002	YAMAGUCHI, RYO et al.	
148	US-20020058525	05-16-2002	KASAPI, ATHANASIOS A. et al.	
149	US-2002007152	06-20-2002	JOHNSON, THOMAS J. et al.	
150	US-20020090024	07-11-2002	TAN, KENG TIONG et al.	
151	US-20020101839	08-01-2002	FARLEY, KEVIN L. et al.	
152	US-20020122381	09-05-2002	WU, SHIQIAN et al.	
153	US-20020122403	09-05-2002	HASHEM, BASSAM M. et al.	
154	US-20020147953	10-10-2002	CATREUX, SEVERINE et al.	
155	US-20020172293	11-21-2002	KUCHI, KIRAN et al.	

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Sheet 9 of 23

Attorney Docket No. 060542

**U.S. PATENT DOCUMENTS**

Examiner Initials	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
156	US-20020181571	12-05-2002	YAMANO, LARRY C., et al.	
157	US-20030020651	01-30-2003	CRILLY, WILLIAM J. Jr., et al.	
158	US-20030036359	02-20-2003	DENT, PAUL W., et al.	
159	US-20030040283	02-27-2003	KAWAI, HIROYUKI, et al.	
160	US-20030072254	04-17-2003	MA, JIANGLEI, et al.	
161	US-20030086371	05-08-2003	ITO, TAKUMI, et al.	
162	US-20030096579	05-22-2003	RAFFAH, MOSHE, et al.	
163	US-20030109266	06-12-2003	WALTON, JAY R., et al.	
164	US-20030125040	07-03-2003	WALTON, JAY R., et al.	
165	US-20030128658	07-10-2003	SUBRAHMANYA, PARYATHANATHAN, et al.	
166	US-20030142729	07-31-2003	DULIN, DAVID R., et al.	
167	US-20030161281	08-28-2003	MEDVEDEV, IRINA, et al.	
168	US-20030161282	08-28-2003	KADOUS, TAMER, et al.	
169	US-20030165189	09-04-2003	TIEDEMANN, EDWARD G. Jr., et al.	
170	US-20030202560	10-30-2003	CHUN, BYUNG-JIN, et al.	
171	US-20030216156	11-20-2003	KETCHUM, JOHN W., et al.	
172	US-20030235255	12-25-2003	SCHEIN, BRETT, et al.	
173	US-20030133426	07-17-2003	BEVAN, DAVID DAMIAN NICHOLAS, et al.	
174	US-20040001460	01-01-2004		

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U.S. PATENT DOCUMENTS

Application Number	09/931469	Complete or Known
Filing Date	8/16/2001	
First Named Inventor	LAROIA, RAIN; et al.	
Art Unit	2462	
Examiner Name	JUNJI MA, NITTAYA	

Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
175 US-20040009783	01-15-2004	MIYOSHI, KENICHI; et al.	
176 US-20040010623	01-15-2004	SHER, SHARON; et al.	
177 US-20040015692	01-22-2004	GREEN, MARK RAYMOND; et al.	
178 US-20040017785	01-29-2004	ZELST, ALBERT VAN; et al.	
179 US-20040042558	03-04-2004	HWANG, CHIAN-SOO; et al.	
180 US-20040048609	03-11-2004	KOSAKA, MINORU; et al.	
181 US-20040048630	03-11-2004	SHAPIRA, AHARON; et al.	
182 US-20040054999	03-18-2004	WILLEN, JAMES W.; et al.	
183 US-20040057394	03-25-2004	HOLTZMAN, JACK M.; et al.	
184 US-20040066754	04-08-2004	HOTTINEN, ARI; et al.	
185 US-20040066761	04-08-2004	GIANNAKIS, GEORGIOS B.; et al.	
186 US-20040067756	04-08-2004	WAGER, STEFAN; et al.	
187 US-20040081073	04-29-2004	WALTON, J. RODNEY; et al.	
188 US-20040095907	05-20-2004	AGEE, BRIAN G.; et al.	
189 US-20040097240	05-20-2004	CHEN, LAN; et al.	
190 US-20040098505	05-20-2004	CLEMMENSEN, DANIEL G.; et al.	
191 US-20040128605	07-01-2004	SIBECAS, SALVADOR; et al.	
192 US-20040131007	07-08-2004	SMEE, JOHN; et al.	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>			
(Use as many sheets as necessary)			
Sheet	11	of	23
Attorney Docket No: 060542			
Application Number	09/931469 <i>Complete if Known</i>		
Filing Date	8/16/2001		
First Named Inventor	LAROLIA, Rajiv, et al.		
Art Unit	2462		
Examiner Name	JUNTIMA, NITTAYA		

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number+Kind Code <sup>2/6</sup> (known)	Publication Date MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
				Name of Patentee or Applicant of Cited Document	
193	US-20040131008		07-08-2004	ZUNIGA, JUAN CARLOS; et al	
194	US-20040131038		07-08-2004	KIM, SUNG-JIN; et al	
195	US-20040131110		07-08-2004	ALARD, MICHEL; et al	
196	US-20040136344		07-15-2004	KIM, YOUNG-KY; et al	
197	US-20040156328		08-12-2004	WALTON, J. RODNEY; et al	
198	US-20040160914		08-19-2004	SARKAR, SANDIP; et al	
199	US-20040160933		08-19-2004	ODENWALDER, JOSEPH P.; et al	
200	US-20040162083		08-19-2004	CHEN, TAO; et al	
201	US-20040165564		08-26-2004	KIM, JAE-WOO; et al	
202	US-20040166867		08-26-2004	HAWE, WILLIAM; et al	
203	US-20040170157		09-02-2004	KIM, JAE-YOEL; et al	
204	US-20040171385		09-02-2004	HAUSTEIN, THOMAS; et al	
205	US-20040178954		09-16-2004	VOOK, FREDERICK W.; et al	
206	US-20040179506		09-16-2004	PADOVANI, ROBERTO; et al	
207	US-20040218520		11-04-2004	AIZAWA, MASAMI; et al	
208	US-20040219819		11-04-2004	DI MASCIO, ENRICO; et al	
209	US-20040219919		11-04-2004	VWHINNETT, NICHOLAS; et al	
210	US-20040228267		11-18-2004	AGRAWAL, AVNEESH; et al	

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Attorney Docket No: 060542

## U.S. PATENT DOCUMENTS

Examiner Initials*	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
211	US-20040229615	11-18-2004	AGRAWAL, AVNEESH; et al.	
212	US-20040240572	12-02-2004	BRUTEL, CHRISTOPHE; et al.	
213	US-20040248604	12-09-2004	VAIDYANATHAN, CHANDRA; et al.	
214	US-20040252655	12-16-2004	LIM, KWANG-JAE; et al.	
215	US-20040264585	12-30-2004	BORRAN, MOHAMMAD; JABER, et al.	
216	US-20050002412	01-06-2005	SAGFORS, MATS; et al.	
217	US-20050002467	01-06-2005	SEO, DONG-YOUN; et al.	
218	US-20050025093	02-03-2005	YUN, SANG-BOH; et al.	
219	US-20050030964	02-10-2005	TIEDEMANN, EDWARD G; et al.	
220	US-20050041611	02-24-2005	SANDHU, SUMEET; et al.	
221	US-20050041750	02-24-2005	LAU, KIN NANG; et al.	
222	US-20050047517	03-03-2005	GEORGIOS, GIANNAKIS; et al.	
223	US-20050052991	03-10-2005	KADOUS, TAMER; et al.	
224	US-20050063298	03-24-2005	LING, FUYUN; et al.	
225	US-20050085195	04-21-2005	TONG, WEN; et al.	
226	US-20050111397	05-26-2005	ATTAR, RASHID A; et al.	
227	US-20050113100	05-26-2005	OPRESCU-SURCOBE, VALENTIN; et al.	
228	US-20050122898	06-09-2005	JANG, KYUNG-HUN; et al.	

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Sheet	13	of	23
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<b>U.S. PATENT DOCUMENTS</b>			
Examiner Initials*	Case No., Number Known Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
229	US-20050128683	06-16-2005	WATANABE, YASUO; et al.
230	US-20050135324	06-23-2005	KIM, YUN-HEE; et al.
231	US-20050147025	07-07-2005	AUER, GUNTHER; et al.
232	US-20050152484	07-14-2005	SANDHU, SUMEET; et al.
233	US-20050157807	07-21-2005	SHIM, DONG-HEE; et al.
234	US-20050174981	08-11-2005	HEATH, ROBERT W. JR.; et al.
235	US-20050181799	08-18-2005	LAROIA, RAJIV; et al.
236	US-20050201296	09-15-2005	VANNITHAMBY, RATH; et al.
237	US-20050215251	09-29-2005	KRISHNAN, RANGANATHAN; et al.
238	US-20050226204	10-13-2005	UEHARA, TERUAKI; et al.
239	US-20050245548	11-03-2005	LATINEN, PEKKA; et al.
240	US-20050254477	11-17-2005	LEE, KYUNG-CHUN; et al.
241	US-20050254556	11-17-2005	FUJI, HIROMASA; et al.
242	US-20050259723	11-24-2005	BLANCHARD, SCOTT D.; et al.
243	US-20050265220	12-01-2005	ERLICH, YOSSI; et al.
244	US-20050271012	12-08-2005	AGRAWAL, AVNEESH; et al.
245	US-20050276347	12-15-2005	MUTABA, SYED AON; et al.
246	US-20050281029	12-22-2005	INAMOTO, MASAYUKI; et al.

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Sheet	14	of	23
Application Number 09931469 Filing Date 8/16/2001 First Named Inventor LAROIA, Rajiv, et al. Art Unit 2462 Examiner Name JUNTIMA, NITTAYA Attorney Docket No: 060542			

## U.S. PATENT DOCUMENTS

Examiner Initials	Document Number Cite Number-Kind Code <sup>249</sup> Known	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Column(s), Lines, Where Relevant Passages or Relevant Figures Appear
247	US-20050281290	12-22-2005	KHANDEKAR, AAMOD, et al.	
248	US-20050286408	12-29-2005	JIN, YONGSEOK, et al.	
249	US-20050289256	12-29-2005	CUDAK, MARK C, et al.	
250	US-20050053151	03-10-2005	LIN, CHIH-LUNG, et al.	
251	US-20050128983	06-16-2005	KIM, EUNG-SUN, et al.	
252	US-20060018347	01-26-2006	AGRAWAL, Avneesh, et al.	
253	US-20060018397	01-26-2006	SAMPATH, Hemanth, et al.	
254	US-20060026344	02-02-2006	SUN HSU, Windsor Wei, et al.	
255	US-20060034164	02-16-2006	OZLUTÜRK, Fatih, et al.	
256	US-20060040655	02-23-2006	KIM, Myeong-cheol, et al.	
257	US-20060045003	03-02-2006	CHOI, Seung-hoon, et al.	
258	US-20060050770	03-09-2006	WALLACE, Mark S., et al.	
259	US-20060056340	03-16-2006	HOTTINEN, Ari, et al.	
260	US-20060067421	03-30-2006	WALTON, Jay Rodney, et al.	
261	US-20060083159	04-20-2006	LAROIA, Rajiv, et al.	
262	US-20060093065	05-04-2006	THOMAS, Timothy A., et al.	
263	US-20060109814	05-25-2006	KUZMINSKY, Alexander, et al.	
264	US-20060126491	06-15-2006	RO, Jung-min, et al.	
265	US-20060133521	06-22-2006	SAMPATH, Hemanth, et al.	

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Attorney Docket No: 060542

U.S. PATENT DOCUMENTS				
Examiner Initials*	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		MM-DD-YYYY		
266	US-20060140289	06-29-2006	MANDYAM, Giridhar D.; et al.	
267	US-20060155534	07-13-2006	LIN, Xintian E.; et al.	
268	US-20060209764	09-21-2006	KIM, Ho-jin; et al.	
269	US-20060233131	10-19-2006	GORE, Dhananjay Ashok; et al.	
270	US-20060270427	11-30-2006	SHIDA, Masaaki; et al.	
271	US-20060286974	12-21-2006	GORE, Dhananjay Ashok; et al.	
272	US-20060286982	12-21-2006	PRAKASH, Rajat; et al.	
273	US-20060286995	12-21-2006	ONGGOSANUSI, Eko N.; et al.	
274	US-20060291371	12-28-2006	SUTIVONG, Arak; et al.	
275	US-20040032443	02-19-2004	MOYLAN, Peter Francis; et al.	
276	US-20070025345	02-01-2007	BACHL, Rainer Walter; et al.	
277	US-20070041311	02-22-2007	BAUM, Kevin L.; et al.	
278	US-20070049218	03-01-2007	GOROKHOV, Alexei; et al.	
279	US-20070053282	03-08-2007	TONG, Wen; et al.	
280	US-20070097853	05-03-2007	KHANDEKAR, Aamod; et al.	
281	US-20070097889	05-03-2007	WANG, Jibing; et al.	
282	US-20070097908	05-03-2007	KHANDEKAR, Aamod; et al.	
283	US-20070097910	05-03-2007	JI, Tingfang; et al.	

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For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document if the appropriate symbols as indicated on the document under WIPO Standard ST.6 if possible.<sup>4</sup> Applicant is to place a checkmark here if English language translation is attached. This collection of information is required to obtain or retain a benefit by the public which is to the (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete.

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U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE  
PTO/SB/04 (07-09)

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Application Number	09/931469
Filing Date	8/16/2001
First Named Inventor	LAROLA, Rajiv, et al.
Art Unit	2462

Examiner Name: JUNTI MA, NITTAYA

Attorney Docket No.: 060542

## U.S. PATENT DOCUMENTS

Examiner Initials*	Document Number Cite No. Number/Kind Code (if known)	Publication Date MM-PP-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
284	US-20070097922	05-03-2007	PAREKH, Niteshkumar J., et al.	
285	US-20070097981	05-03-2007	PAPASAELLAROU, Aris, et al.	
286	US-20070098050	05-03-2007	KHANDEKAR, Aamod, et al.	
287	US-20070098120	05-03-2007	WANG, Michael Mao, et al.	
288	US-20070099666	05-03-2007	ASTELY, David, et al.	
289	US-20070160115	07-12-2007	PALANKI, Ravi, et al.	
290	US-20070165738	07-19-2007	BARRIAC, Gwendolyn D., et al.	
291	US-20070177681	08-02-2007	CHOI, In-kyeong, et al.	
292	US-20070183303	08-09-2007	PI, Zhouyue, et al.	
293	US-20070211616	09-13-2007	KHANDEKAR, Aamod, et al.	
294	US-20070230324	10-04-2007	LI, Xiaodong, et al.	
295	US-20070263743	11-15-2007	LEE, Yu-ro, et al.	
296	US-20080039129	02-14-2008	LI, Xiaodong, et al.	
297	US-20080095223	04-24-2008	TONG, Wen, et al.	
298	US-20080253279	10-16-2008	MA, Jianglei, et al.	
299	US-2009003466	01-01-2009	TAHERZADEHBOROUJEN, I., Mahmoud, et al.	
300	US-20090197646	08-06-2009	TAMURA, Motoshi, et al.	

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 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document, kind of document by the appropriate symbol as indicated on the document under MPEP Standard ST.3. If it is possible, \*Applicant is to place a check mark here if English language translation is attached. This collection of information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete. Including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to reduce this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1458, Alexandria, VA 22313-1458.

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## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code <sup>3</sup> , Number, Kind Code <sup>4</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
301	CL-19931400	12-23-1994	MOBILE TELECOMMUNICATION TECHNOLOGIES CORP TELEFONAKTIEBOLAGET LM ERICSSON		<input type="checkbox"/>
302	CL-1997846	01-23-1998	HUBER ALBERT M [DE] et al.		<input type="checkbox"/>
303	DE-19800653A1	07-15-1999	SIEMENS AG [DE] et al.		<input type="checkbox"/>
304	DE-19800953C1	07-29-1999	SIEMENS AG [DE] et al.		<input type="checkbox"/>
305	DE-19957288C1	05-10-2001	SONY CORP [JP] et al.		<input type="checkbox"/>
306	EP-0844796A2	06-27-1998	LUCENT TECHNOLOGIES INC [US] et al.		<input type="checkbox"/>
307	EP-1001570A2	05-17-2000	CANON KK [JP] et al.		<input type="checkbox"/>
308	EP-1061687A1	12-20-2000	SONY INT EUROPE GMBH [DE] et al.		<input type="checkbox"/>
309	EP-1204217A1	05-08-2002	NTT DOCOMO INC [JP] et al.		<input type="checkbox"/>
310	EP-1286490A2	02-26-2003	SIEMENS AG [DE] et al.		<input type="checkbox"/>
311	EP-1376920A1	01-02-2004	LUCENT TECHNOLOGIES INC [US] et al.		<input type="checkbox"/>
312	EP-1478204A2	11-17-2004	MATSUSHITA ELECTRIC IND CO LTD [JP] et al.		<input type="checkbox"/>
313	EP-1507421A1	02-16-2005	SONY INT EUROPE GMBH [DE] et al.		<input type="checkbox"/>
314	EP-1533950A1	05-25-2005	NOKIA CORP [FI] et al.		<input type="checkbox"/>
315	EP-1538863A1	06-08-2005	KOKUSAI DENSHIN DENWA CO LTD [JP] et al.		<input type="checkbox"/>
316	GB-2279540A	01-04-1995	MOTOROLA LTD [GB] et al.		<input type="checkbox"/>
317	GB-2348776A	10-11-2000			<input type="checkbox"/>

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Application Number	09/931469 complete if known
Filing Date	8/16/2001
First Named Inventor	LAROIA, Rajiv, et al.
Art Unit	2462
Examiner Name	JUNTIMA, NITTAYA

Attorney Docket No: 060542

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code <sup>3</sup> - Number Kind Code <sup>4</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant Name of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appears
318	GB-2412541A		09-28-2005	SAMSUNG ELECTRONICS CO LTD [KRI] et al.	<input type="checkbox"/>
319	JP-2005020530A		01-20-2005	TOSHIBA CORP et al.	<input type="checkbox"/>
320	KR-100291476B1		03-13-2001	SAMSUNG ELECTRONICS CO LTD et al.	<input type="checkbox"/>
321	KR-20040103441A		12-08-2004	MICROSOFT CORP et al.	<input type="checkbox"/>
322	KR-20050063826A		06-28-2005	LG ELECTRONICS INC [KRI] et al.	<input type="checkbox"/>
323	RU-2192094C1		10-27-2002	GARMONOV ALEKSANDR VASILEVICH et al.	<input type="checkbox"/>
324	RU-2207723C1		06-27-2003	VOENNYJ UNISVJAZI et al.	<input type="checkbox"/>
325	TW-200401572		01-16-2004	RAYTHEON COMPANY	<input type="checkbox"/>
326	TW-248266		01-21-2006	VIA TELECOM CO LTD	<input type="checkbox"/>
327	TV-508960B		11-01-2002	FLARION TECHNOLOGIES INC [US] et al.	<input type="checkbox"/>
328	WO-0139523A2		05-31-2001	SIEMENS AG [DE] et al.	<input type="checkbox"/>
329	WO-0148969A2		07-05-2001	ATHEROS COMM INC [US] et al.	<input type="checkbox"/>
330	WO-0158054A1		08-09-2001	SAMSUNG ELECTRONICS CO LTD [KRI] et al.	<input type="checkbox"/>
331	WO-0160106A1		08-16-2001	QUALCOMM INC [US] et al.	<input type="checkbox"/>
332	WO-0182544A2		11-01-2001	ATHEROS COMM INC [US] et al.	<input type="checkbox"/>
333	WO-0189112A1		11-22-2001	NOKIA NETWORKS OY [FI] et al.	<input type="checkbox"/>
334	WO-02082743A2		10-17-2002	COWAVE NETWORKS INC [US] et al.	<input type="checkbox"/>

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Name of Cited Document	
335	WO-0219746A1	03-07-2002		MOTOROLA INC [US] et al.	<input type="checkbox"/>
336	WO-0249306A2	06-20-2002		BROADSTORM TELECOMMUNICATIONS [US] et al.	<input type="checkbox"/>
337	WO-03001696A2	01-03-2003		FLARION TECHNOLOGIES INC [US] et al.	<input type="checkbox"/>
338	WO-03001981A2	01-09-2003		US GOVERNMENT [US] et al.	<input type="checkbox"/>
339	WO-03003617A2	01-09-2003		SEPURA LTD [GB] et al.	<input type="checkbox"/>
340	WO-2004038988A2	05-06-2004		QUALCOMM INC [US] et al.	<input type="checkbox"/>
341	WO-2004040690A2	05-13-2004		NOKIA CORP [FI] et al.	<input type="checkbox"/>
342	WO-2004040827A2	05-13-2004		DOCOMO COMM LAB EUROPE GMBH [DE] et al.	<input type="checkbox"/>
343	WO-2004086706A1	10-07-2004		TELIA AB [SE] et al.	<input type="checkbox"/>
344	WO-2004086711A1	10-07-2004		FLARION TECHNOLOGIES INC [US] et al.	<input type="checkbox"/>
345	WO-2004095851A2	11-04-2004		MOTOROLA INC [US] et al.	<input type="checkbox"/>
346	WO-2004098072A2	11-11-2004		TELECOM ITALIA SPA [IT] et al.	<input type="checkbox"/>
347	WO-2005015795A1	02-17-2005		QUALCOMM INC [US] et al.	<input type="checkbox"/>
348	WO-2005015941A2	02-17-2005		QUALCOMM INC [US] et al.	<input type="checkbox"/>
349	WO-2005055527A1	06-16-2005		QUALCOMM INC [US] et al.	<input type="checkbox"/>
350	WO-2005065062A2	07-21-2005		LG ELECTRONICS INC [KR] et al.	<input type="checkbox"/>
351	WO-2005069538A1	07-28-2005		DELTEL INC PBNEXT [US] et al.	<input type="checkbox"/>

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## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code <sup>3</sup> & Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
352	WO-2005096538A1	10-13-2005		QUALCOMM INC [US] et al.	<input type="checkbox"/>
353	WO-2006026344A1	03-09-2006		QUALCOMM INC [US] et al.	<input type="checkbox"/>
354	WO-2006096784A1	09-14-2006		QUALCOMM INC [US] et al.	<input type="checkbox"/>
355	WO-2006099349A1	09-21-2006		QUALCOMM INC [US] et al.	<input type="checkbox"/>
356	WO-2006134032A1	12-21-2006		SIEMENS AG [DE] et al.	<input type="checkbox"/>
357	WO-2006138196A1	12-28-2006		QUALCOMM FLARION TECH [US] et al.	<input type="checkbox"/>
358	WO-2006138573A2	12-28-2006		QUALCOMM INC [US] et al.	<input type="checkbox"/>
359	WO-2007024934A2	03-01-2007		QUALCOMM INC [US] et al.	<input type="checkbox"/>
360	WO-2007051159A2	05-03-2007		QUALCOMM INC [US] et al.	<input type="checkbox"/>
361	WO-9521494A1	08-10-1995		QUALCOMM INC [US] et al.	<input type="checkbox"/>
362	WO-9813920A1	05-09-1996		IBM [US] et al.	<input type="checkbox"/>
363	WO-9746033A2	12-04-1997		PHILIPS ELECTRONICS NV [NL] et al.	<input type="checkbox"/>
364	WO-9814026A1	04-02-1998		QUALCOMM INC [US] et al.	<input type="checkbox"/>
365	WO-9944313A1	09-02-1999		SIEMENS AG [DE] et al.	<input type="checkbox"/>
366	WO-9944383A1	09-02-1999		SIEMENS AG [DE] et al.	<input type="checkbox"/>
367	WO-9959265A1	11-18-1999		SAMSUNG ELECTRONICS CO LTD [KR] et al.	<input type="checkbox"/>

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<sup>3</sup>EXAMINER: Initial or reference considered, whether or not citation is in conformance with MPEP 809. Draw line-through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>5</sup>Applicant's unique citation designation number (optional).See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901-04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST-3). For Japanese Patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the parent document. <sup>3</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST-16 if possible. <sup>5</sup>Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to be furnished by the USPTO to process an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	
Use as many sheets as necessary	
Sheet	21
of	23
Attorney Docket No: 060542	
Application Number	09/931469 <i>Complete if known</i>
Filing Date	8/16/2001
First Named Inventor	LAROJA, Ralvi et al.
Art Unit	2462
Examiner Name	JUNTIMA, NITTAYA

## NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title or the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume, issue number(s), publisher, city and/or country where published.
not considered; no publication date provided.	368	3GPP TS 33.220 V.1.0 XX XX "3rd GENERATION PARTNERSHIP PROJECTS, TECHNICAL SPECIFICATION GROUP SERVICES AND SYSTEM ASPECTS: GENERIC AUTHENTICATION ARCHITECTURE (RELEASE 6)" 9 FEBRUARY 2004, pgs. 1-17, figure 4, XP002996023, DAS, ARNAR, et al., "adaptive asynchronous, unidirectional, redundant, dual ISL, multi-slot, transmission time intervals, TTI, for HSDPA," IEEE, Pages 10-83-1087
not considered; no publication date provided.	370	Digital cellular telecommunications system (Phase 2+), Mobile radio interface layer 3 specification (GSM 04.08 version 7.7.1 Release 1998), ETSI EN 300 940 V7.7.1 (2000-10), pp. 1, 2, 9-1-93.
not considered; no publication date provided.	371	FAVRE, et al., "Self Adaptive Transmission Procedure" IBM Technical Disclosure Bulletin, IBM Corporation, September 1976, Vol. 19 no. 4, pp. 1283-1284, New York, New York.
not considered; no publication date provided.	372	FUCHS, et al., "A Novel Tree-Based Scheduling Algorithm for the Downlink of Multi-User MIMO Systems with ZF Beamforming," IEEE International Conference on Acoustics, Speech, and Signal Processing, 2005, Proceedings, Philadelphia, PA, pp. 1121-1124.
not considered; no publication date provided.	373	GROE, et al., "CDMA Mobile Radio Design," September 26, 2001, Artech House, Norwood, MA 02062, pp. 257-259.
not considered; no publication date provided.	374	International Search Report - PCT/US01/028315, International Search Authority - European Patent Office, 06-2-1-02 (060542).
not considered; no publication date provided.	375	INTERNATIONAL SEARCH REPORT PCT/US06/003947 - INTERNATIONAL SEARCH AUTHORITY - EUROPEAN PATENT OFFICE 06/12/06.
not considered; no publication date provided.	376	JOHN B. GROE, LAWRENCE E. LARSON, "CDMA Mobile Radio Design" 26 September 2001 (2001-09-26), Artech House, Norwood, MA 02062 580530, XP002397967, pages 157-159
not considered; no publication date provided.	377	LARSEN, R. ET AL: "An integrated approach based on cross-layer optimization for Designing a mobile broadband wireless access network" IEEE Signal Processing Magazine, IEEE Service Center, Piscataway, NJ, US, vol. 21, no. 5, September 2004 (2004-09), pages 20-28, XP011118149.
not considered; no publication date provided.	378	LAU, et al., "On the Design of MIMO Block-Fading Channels with Feedback-Link Capacity Constraint," IEEE Transactions on Communications, IEEE Service Center, Piscataway, NJ, US, v. 52, no. 1 January 2004 (2004-01), pp. 62-70, XP001189808
not considered; no publication date provided.	379	LETTERI, et al., "Adaptive frame length control for improving wireless link throughput, range, and energy efficiency," INFOCOM '98, 17th Annual Joint Conference of the IEEE

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Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title issue number(s), publisher, city and/or country where published.		
		Computer and Communications Societies, March 29-April 2, 1998, pp. 564-571, vol. 2.		
380		IEEE San Francisco, CA, New York, New York MOLISCH, et al., "MIMO systems with antenna selection," IEEE Microwave Magazine, URL: <a href="http://ieeexplore.ieee.org/iel5/6668/28677/01284943.pdf">http://ieeexplore.ieee.org/iel5/6668/28677/01284943.pdf</a> , Retrieved on December 8, 2006, pp. 46-56 (2004)		
381		NET WORKING GROUP, T. DIERKS, C. ALLEN, CERTICOM, "THE TLS PROTOCOL VERSION 1.0, JANUARY 1999		
382		NTT DoCoMo, et al., "Orthogonal Common Pilot Channel and Scrambling Code in Evolved UTRA Downlink," 3GPP TSG RAN WG1 #42 on LTE, pp. 1-8 (Aug-Sept 2005).		
383		TIA/EIA/IS-95 "MOBILE STATION-BASE STATION COMPATIBILITY STANDARD FOR DUAL-MODE WIDEBAND SPREAD SPECTRUM CELLULAR SYSTEM" JULY 1993		
384		TIA-1121-001 "Physical Layer for Ultra Mobile Broadband (UMB) Air Interface Specification," 3GPP2 C.S0084-001-0, Version 2.0 (August 2007)		
385		TOMClik, J., "MBEDD and MBTDD Wideband Mode Technology Overview," IEEE 802.20 Interface Specification," 3GPP2 C.S0084-002-0, Version 2.0 (August 2007)		
386		TOMClik, J., "MBEDD and MBTDD Wideband Mode Technology Overview," IEEE 802.20 Working Group Mobile Broadband Wireless Access, January 2006, pgs. 1-109.		
387		XPP02429968		
388		TOMClik, J., "OFDD Technology Overview Presentation," IEEE 802.20 Working Group on Mobile Broadband Wireless Access, Slides/pp. 1-73, 11/15/05 and 10-28-05		
389		TOUFIK, ET AL., "Channel allocation algorithms for multi-carrier systems," VEHICULAR TECHNOLOGY CONFERENCE, 2004. VTC2004-FALL, 2004 IEEE 60TH LOS ANGELES, CA, USA 26-29 September 2004 (2004-09-26), pages 1129-1133, XP010786798, ISBN: 07-7803-8521-7		
390		ZEKRI, et al., "DMT Signals with Low Peak-to-Average Power Ratio," Proceedings, IEEE International Symposium on Computers and Communications, 1999, 6-8 July 1999, pp. 362-368.		

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